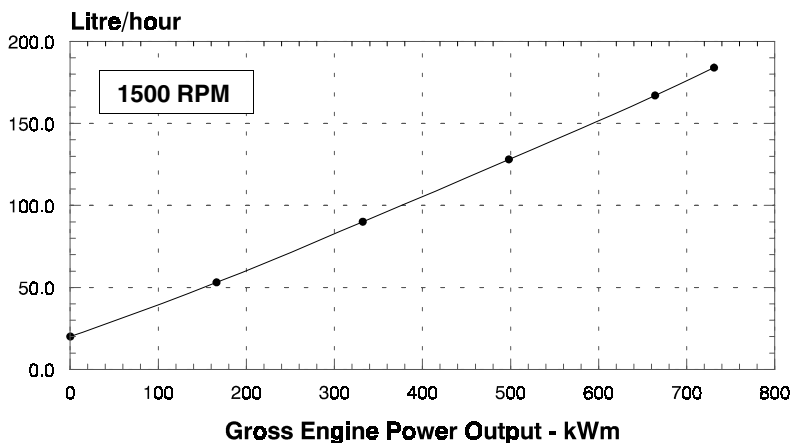
	<b>CHONGQING CUMMINS ENGINE COMPANY Ltd.</b>  <b>ENGINE PERFORMANCE CURVE</b>	Basic Engine Model: <b>KTA38-G2</b>	Curve Number: <b>FR-6081</b>	Page No.
		Engine Critical Parts List:  <b>CPL: 0864</b>	Date:  <b>03JAN2004</b>	
Displacement : <b>37.8 litre (2300 in<sup>3</sup>)</b>		Bore : <b>159 mm (6.25 in.)</b> Stroke : <b>159 mm (6.25 in.)</b>		
No. of Cylinders : <b>12</b>		Aspiration : <b>Turbocharged and Aftercooled</b>		

Engine Speed  RPM	Standby Power		Prime Power		Continuous Power	
	kWm	BHP	kWm	BHP	kWm	BHP
<b>1500</b>	<b>731</b>	<b>980</b>	<b>664</b>	<b>890</b>	<b>604</b>	<b>810</b>
<b>1800</b>	<b>895</b>	<b>1200</b>	<b>809</b>	<b>1085</b>	<b>671</b>	<b>900</b>

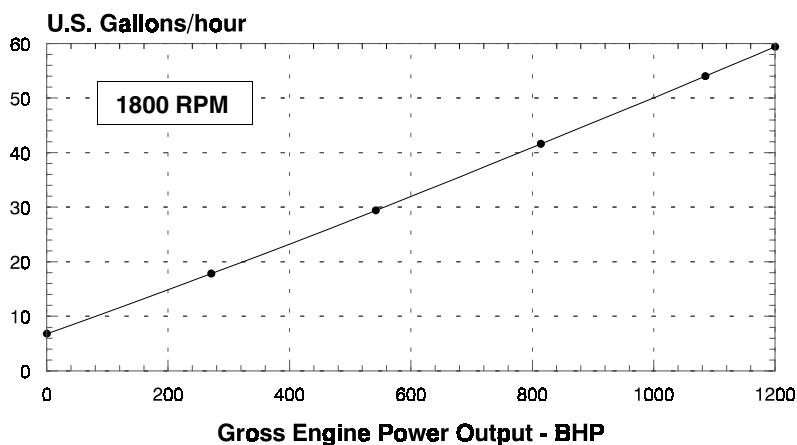
## Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION			
%	kWm	BHP	kg/ kWm·h	lb/ BHP·h	litre/ hour	U.S. Gal/ hour
<b>STANDBY POWER</b>						
100	731	980	0.214	0.351	184	48.5
<b>PRIME POWER</b>						
100	664	890	0.214	0.353	167	44.2
75	498	668	0.218	0.358	128	33.7
50	332	445	0.230	0.380	90	23.8
25	166	222	0.271	0.451	53	14.1
<b>CONTINUOUS POWER</b>						
100	604	810	0.215	0.353	153	40.3



## Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION			
%	kWm	BHP	kg/ kWm·h	lb/ BHP·h	litre/ hour	U.S. Gal/ hour
<b>STANDBY POWER</b>						
100	895	1200	0.214	0.351	225	59.4
<b>PRIME POWER</b>						
100	809	1085	0.214	0.353	204	54.0
75	607	814	0.220	0.363	157	41.6
50	404	542	0.234	0.385	111	29.4
25	202	271	0.282	0.466	67	17.8
<b>CONTINUOUS POWER</b>						
100	671	900	0.216	0.355	170	45.0



**CONVERSIONS:** (Litres = U.S. Gal x 3.785) (kWm = BHP x 0.746) (U.S. Gal = Litres x 0.2642) (BHP = Engine kWm x 1.34)

Data shown above represent gross engine performance capabilities obtained and corrected in accordance with ISO-3046 conditions of 100 kPa (29.53 in Hg) barometric pressure [110 m (361 ft) altitude], 25 °C (77 °F) air inlet temperature, and relative humidity of 30% with No. 2 diesel or a fuel corresponding to ASTM D2. See reverse side for application rating guidelines.

The fuel consumption data is based on No. 2 diesel fuel weight at 0.85 kg/litre (7.1 lbs/U.S. gal ).

Power output curves are based on the engine operating with fuel system, water pump and lubricating oil pump; not included are battery charging alternator, fan, optional equipment and driven components.